FY 2004 – BOARD BIOS
February 3, 2004

William Glaze (Chair): Dr. William H. Glaze is Professor in the Department of Environmental and Biomolecular Systems at the OGI School of Science & Engineering of the Oregon Health & Science University. He is also Professor Emeritus at the University of North Carolina at Chapel Hill. From 1988-2001, he was Editor of the journal Environmental Science and Technology. Since January 2001, he has been Chair of the EPA Science Advisory Board (SAB). Previously, he was the first Chair of the SAB's Drinking Water Committee beginning in 1986. He is also a member of the NAS Board of Environmental Studies and Toxicology, and the California Bay-Delta Independent Science Board. Dr. Glaze received degrees in chemistry from Southwestern University (B.S. 1956) and The University of Wisconsin in Madison (M.S.1958, Ph.D. Physical Chemistry 1960) and was a Robert A. Welch Post Doctoral Scholar at Rice University. He is the recipient of numerous awards which include the Alexander von Humboldt Foundation Senior Science Award, Newsmaker of the Year Award of the American Chemical Society in 2000, and the Advanced Oxidation Technologies Award in 2001. His areas of research interest include analytical methods for the determination of organic compounds in water; ozone and advanced oxidation methods for water treatment; global evaluation of drinking water treatment alternatives. He has been involved in several initiatives related to sustainable environmental management and policy, including the interdependency between the U.S. and Mexico, the development of the Green Chemistry Institute, drinking and wastewater infrastructure in the U.S. and developing countries, future developments to minimize the impact of the automobile, and alternatives to command-and-control regulatory policy (12/2003).

Domenico Grasso (Vice Chair): Domenico Grasso is the Rosemary Bradford Hewlett Professor and Founding Director of the Picker Engineering Program a Smith College and holds adjunct faculty appointments at the Universities of Connecticut and Massachusetts and Yale University. An environmental engineer who studies the ultimate fate of contaminants in the environment and develops new techniques to destroy or otherwise reduce the risks associated with these contaminants to human health or natural resources, he focuses on molecular scale processes that underlie nature and behavior of contaminants in environmental systems. He holds a B.Sc. from Worcester Polytechnic Institute, an M.S. from Purdue University and a Ph.D. from The University of Michigan. He is a registered Professional Engineer in the states of Connecticut and Texas, and was Professor and Head of Department in Civil & Environmental Engineering at the University of Connecticut prior to joining Smith. He has been a Visiting Scholar at UC-Berkeley, a NATO Fellow, and an Invited Technical Expert to the United Nations Industrial Development Organization in Vienna Austria. He is currently Vice-Chair of the Board of the United States Environmental Protection Agency Science Advisory Board, Past-President of the Association of Environmental Engineering & Science Professors, and Editor-in-Chief of Environmental Engineering Science. He has authored more than 100 technical papers & reports, including four chapters and two books. Federal, state and industrial organizations have supported his research work. (1/2003)

Greg Biddinger: Gregory Biddinger is an Environmental Sciences Advisor with ExxonMobil Refining & Supply Company. In his current position he is responsible for science and regulatory issues related to aquatic environments and science policy related to the assessment and management of risk. Additionally, he participates in strategic environmental business planning processes, the creation of international standards on environmental management and providing leadership and technical support to business lines on wildlife conservation initiatives. In addition to his work on the USEPA SAB he has been active in numerous expert panels and peer reviews for USEPA, OECD and SETAC. His many other professional activities have included chairmanships with the American Society for Testing and Materials, American Chemistry Council and ISO technical committees. Dr. Biddinger was the founding chair of SETAC's Ecological Risk Assessment Advisory Group (1992-2002). He publications include the area of aquatic toxicology on inorganic Arsenicals, Phthalate Esters, chemical dispersants, and the use of microcosms in estimation of tropic transfer of contaminants. Dr. Biddinger has also published in and edited proceedings on ecological risk assessment and risk management, including such topics as the ecological risks of contaminated sediments, decision support systems, sustainable environmental management and integrated environmental decision-making. His current technical and policy focus is improving the utility of environmental science to make effective and sustainable environmental management decisions.

James Bus: Dr. James Bus currently holds the position of Director of External Technology and serves as a member of the Leadership Team in the Toxicology and Environmental Research and Consulting group at the Dow Chemical Company in Midland, Michigan. Prior to joining Dow Chemical in 1989, he held positions of Associate Director of Toxicology and Director of Drug Metabolism at the Upjohn Company (1986-1989), Research Scientist at the Chemical Industry Institute of Toxicology (1977-1986), and Assistant Professor of Toxicology at the University of Cincinnati (1975-1977). Dr. Bus currently is Adjunct Professor of Pharmacology and Toxicology at Michigan State University and previously has held the position of Adjunct Associate Professor of Toxicology at the University of North Carolina. Dr. Bus received his Ph.D. in Pharmacology from Michigan State University in 1975 and a B.S. degree in Medicinal Chemistry from the University of Michigan in 1971. His research interests have focused on mechanisms of chemical toxicity. He has received various awards for his outstanding contributions to the science of toxicology and has authored or coauthored over 90 research papers, reviews, and books. In 1996-1997 Dr. Bus served as President of the Society of Toxicology, a 4000 member scientific society, and in 1986-1987 as President of the American Board of Toxicology, an organization that provides credentials to practicing toxicologists. He has been a member of the US Environmental Protection Agency Office of Research and Development Board of Scientific Counselors (1996-2003) and is a member of the National Academy of Sciences Committee on Emerging Issues and Data on Environmental Contaminants (2002-present). He also has served on the National Toxicology Program Board of Scientific Counselors, Bioassay Review Subcommittee (1996-2000), the ACGIH Chemical Substances TLV Committee (1993-2002), and as a Director of the International Union of Toxicology (1998-2001). Dr. Bus is the Co-chair of the American Chemistry Council's Long-Range Research Initiative, a $25M industry-funded research program evaluating the potential health and environmental effects of industrial chemicals. In 2002, Dr. Bus was elected to the Board of Trustees of the International Life Sciences Institute (ILSI) Health and Environmental Sciences Institute, where he has Chaired the Emerging Issues Steering Committee. Since 1997, he has also been a member of the Board of Directors and Co-Chair of the

Science Program Committee of the CIIT Centers for Health Research, a research institute founded by and primarily supported by the chemical industry to conduct research on cutting-edge toxicological issues of public concern.

Trudy Cameron: Trudy Ann Cameron is the Raymond F. Mikesell Professor of Environmental and Resource Economics at the University of Oregon. She holds a Ph.D. in Economics from Princeton University, and was a member of the faculty in Economics at UCLA for seventeen years before moving to UO in January of 2002. She has served as a member of the board of directors, as well as vice-president, of the Association of Environmental and Resource Economics, and as an associate editor for the Journal of Environmental Economics and Management and the American Journal of Agricultural Economics. For the EPA's Science Advisory Board, she has served on the Environmental Economics Advisory Committee and the Economics and Assessment Working Group of the Children's Health Protection Advisory Committee, and she now chairs the US EPA Advisory Council for Clean Air Compliance Analysis. Dr. Cameron's research concentrates on the methodology of non-market resource valuation, with special emphasis on econometric techniques for the analysis of stated preference survey data. Her recent projects have included a study of popular support (i.e. willingness to pay) for climate change mitigation programs (funded by the National Science Foundation). A current project, begun at UCLA with former colleague JR DeShazo, uses stated preference survey methods to elicit household choices that reveal willingness to pay to avoid illness, injury, and death. The "value of a statistical life" is a key ingredient in the benefit-cost analysis of many environmental, health, and safety regulations, and this project seeks to more clearly identify how the context of such choices influences the public's willingness to pay for such policies [11/2003, Council].

Deborah Cory-Slechta: Dr. Deborah Cory-Slechta received her Ph.D. degree from the University of Minnesota in 1977 and worked as a junior staff fellow of the National Center for Toxicological Research beginning in 1979. She was appointed to the faculty of the University of Rochester Medical School in 1982 and rose through the ranks. In 1998, she was appointed Chair of the Department of Environmental Medicine and Director of the NIEHS Environmental Health Sciences Center at the University of Rochester. From July 2000- July 2002, she was the Dean for Research and Director of the AAB Institute for Biomedical Sciences, a newly established post at the University and as such, became the first female dean in the history of the Medical School. Dr. Cory-Slechta has served on numerous national research review and advisory panels, including committees of the National Institutes of Health, the National Institute of Environmental Health Sciences, the Food and Drug Administration, the National Center for Toxicological Research, the Environmental Protection Agency, the National Academy of Sciences, the Institute of Medicine, and the Agency for Toxic Substances and Disease Registry, Centers for Disease Control. In addition, Dr. Cory-Slechta has served on the editorial boards of several journals including Neurotoxicology, Toxicology, Toxicological Sciences, Fundamental and Applied Toxicology, Neurotoxicology and Teratology, and American Journal of Mental Retardation. She has held the elected positions of President of the Neurotoxicology Specialty Section of the Society of Toxicology, President of the Behavioral Toxicology Society, and been named a Fellow of the American Psychological Association. Her research has focused largely on environmental neurotoxicants as risk Factors for behavioral disorders and neurodegenerative disease. Specifically this has included work on the impact of lead on learning and attention and associated neurochemical mechanisms, and, more recently on the role of pesticides as risk factors

for Parkinson's Disease. These research efforts have resulted in over 90 papers and book chapters to date (12.2003).

Maureen Cropper: Maureen L. Cropper is a Professor of Economics at the University of Maryland, a Lead Economist at the World Bank and a University Fellow at Resources for the Future. She received a B.A. in Economics from Bryn Mawr College (1969) and a Ph.D. in Economics from Cornell University (1973). Her research has focused on valuing environmental amenities (especially environmental health effects), on the discounting of future health benefits, and on the tradeoffs implicit in environmental regulations. Her recent research focuses on factors affecting deforestation in developing countries and on the externalities associated with motorization. Dr. Cropper is past president of the Association of Environmental and Resource Economists and a former chair of the Advisory Council for Clean Air Act Compliance Analysis, a subcommittee of EPA's Science Advisory Board. She has served on the advisory boards of Resources for the Future, the Harvard Center for Risk Analysis, the Donald Bren School of the Environment and the AEI-Brookings Center on Regulation (12/2003).

Ken Cummins: Dr. Cummins is currently Senior Advisory Scientist for the California Cooperative Fishery Research Unit, and Director, Institute for Forest and Watershed Management and Adjunct Professor, Fisheries Dept., Humboldt State University, Arcata, CA. His areas of professional expertise are stream, wetland and river ecosystems structure and function; general aquatic ecosystem theory with emphasis on land-water interactions, especially sources and fates of organic matter from the riparian zone; functional analysis of freshwater and estuarine invertebrates and factors that regulate their growth and mortality. From 1994-1999, Dr. Cummins served as Distinguished Scientist, in the Ecosystem Restoration Department in the South Florida Water Management District, West Palm Beach and Sanibel FL. Prior to that, he was Professor in the following academic institutions: Department of Biological Sciences and Director of Pymatuning Laboratory of Ecology, University of Pittsburgh, PA (1989-1993); Appalachian Environmental Laboratory, Center for Environmental and Marine Studies, University of Maryland, Frostburg, MD (1984-89); Department of Fisheries and Wildlife and Department of Entomology, Oregon State University, Corvallis, OR (1978-1984); and Department of Entomology, Department of Fisheries and Wildlife, Department of Zoology, and Kellogg Biological Station, Michigan State University, Hickory Corners, MI (1972-1978). He received the Distinguished Scientist Award from the North American Benthological Society in 1990. Dr. Cummins received a B.A. In Biology, in 1955 from Lawrence University in Appleton WI, a M.S. in Fisheries, in 1957 from the University of Michigan, Ann Arbor, and a Ph.D., in Zoology and Limnology in 1967 from the University of Michigan (12/2003).

Virginia Dale: Dr. Dale is a landscape ecologist at Oak Ridge National Laboratory and adjunct faculty member in the Department of Ecology and Evolutionary Biology at the University of Tennessee. She received her Ph.D. from the University of Washington in mathematical ecology in 1980. Dr. Virginia H. Dale's primary research interests are in environmental decision making, forest succession, land-use change, landscape ecology, and ecological modeling. She has worked on developing tools for land management; vegetation recovery following the eruption of Mount St. Helens; forest development subsequent to insect outbreaks, fires, windthrows, and clear-cutting; effects of air pollution and climate change on forests; tropical deforestation in Asia and Latin America; and integrating socioeconomic and ecological models of land-use change. Dr. Dale

serves on the Science Advisory Board for the Grand Canyon Monitoring and Research Center, the Committee on Ecological Effects of Road Density of the National Academy of Sciences, and the US Scientific Committee for Problems of the Environment. Dr. Dale has served on the National Academy of Sciences Ecosystems Panel, the "Committee of Scientists" appointed by the Secretary of Agriculture, and the several panels that review proposals submitted to the National Science Foundation (NSF). She was Chair of the US Regional Association of the International Association for landscape and has been on the Governing Board of the Ecological Society of America. She is currently on the editorial board for the journals Ecological Economics and Ecological Indicators. She is also the Editor-in-Chief of Environmental Management. Dr. Dale has served on various committees of the SAB, including approximately 5 years as a member of EPEC, of which she is now Chair, and several years on the RSAC. Her current research is supported by the Department of Defense's Strategic Environmental Research and Development Program. (11/2003)

Baruch Fischhoff: Baruch Fischhoff, Ph.D., is Howard Heinz University Professor, in the Department of Social and Decision Sciences and Department of Engineering and Public Policy at Carnegie Mellon University. He holds a B.S. in mathematics and psychology from Wayne State University and a MA and Ph.D. in psychology from the Hebrew University of Jerusalem. He is a member of the Institute of Medicine of the National Academy of Sciences, and has served on some two dozen NAS/NRC/IOM committees. He is a Fellow of the American Psychological Association and recipient of its Early Career Awards for Distinguished Scientific Contribution to Psychology and for Contributions to Psychology in the Public Interest. He is a Fellow of the Society for Risk Analysis and recipient of its Distinguished Achievement Award. Dr. Fischhoff's research includes risk perception and communication, risk management, adolescent decision making, medical informed consent, and environmental protection. He has co-authored or edited four books, Acceptable Risk (1981), A Two-State Solution in the Middle East: Prospects and Possibilities (1993), Preference Elicitation (1999), and Risk Communication: The Mental Models Approach (2001).

Myrick Freeman: Myrick Freeman III is Research Professor of Economics at Bowdoin College. In 2000 he retired from teaching after 35 years. Dr. Freeman received his Ph.D. in economics from the University of Washington in 1965. He has been on the faculty at Bowdoin since that time and has served as chair of the economics department and Director of the Environmental Studies Program there. He has also held appointments as Visiting College Professor at the University of Washington and Robert M. La Follette Distinguished Visiting Professor at the University of Wisconsin-Madison and as a Senior Fellow at Resources for the Future, a research organization in Washington, DC. Dr. Freeman's principal research interests are in the areas of applied welfare economics, benefit-cost analysis, and risk management as applied to environmental and resource management issues. Much of his work has been devoted to the development of models and techniques for estimating the welfare effects of environmental changes such as the benefits of controlling pollution and the damages to natural resources due to releases of chemicals into the environment. He has authored or co-authored eight books including *Air and Water Pollution Control: A Benefit-Cost Assessment*, and *The Measurement of Environmental and Resource Values: Theory and Methods*, now in its second edition. He has also published more than 70 articles and papers in academic journals and edited collections. Dr. Freeman has been a member of the Board on Toxicology and Environmental Health Hazards of the National Academy of Sciences and has served as a member of the Advisory Council on Clean Air

Compliance Analysis, the Clean Air Science Advisory Committee (consultant) and the Environmental Economics Advisory Committee of the U.S. Environmental Protection Agency Science Advisory Board. Most recently, he chaired the EPA SAB Review Panel on UST/RCRA Benefits, Costs, and Impacts Assessment. (11/2003)

James Galloway: Dr. James N. Galloway is Professor of Environmental Sciences at the University of Virginia. Dr. Galloway received the B.A. degree in Chemistry and Biology from Whittier College in 1966 and the Ph.D. degree in Chemistry from the University of California, San Diego in 1972. Following a postdoctoral appointment with Gene Likens at Cornell University, he accepted a position as Assistant Professor of Environmental Sciences at the University of Virginia in 1976. He served as President of the Bermuda Biological Station for Research from 1988 to 1995, and as chair of Environmental Sciences, University of Virginia from 1996 to 2001. He is the chair of the International Nitrogen Initiative, a program sponsored by SCOPE and IGBP, and is a member of the EPA Science Advisory Board. In 2002 he was elected a Fellow of the American Association for the Advancement of Science. His research on biogeochemistry includes the natural and anthropogenic controls on chemical cycles at the watershed, regional and global scales. His current research focuses on beneficial and detrimental effects of reactive nitrogen as it cascades between the atmosphere, terrestrial ecosystems and freshwater and marine ecosystems. (11/18/2003)

Linda Greer: Dr. Linda Greer currently works as the Director of the Environment and Health Program at the Natural Resources Defense Council (NRDC) in Washington D.C. Her responsibilities include directing technical work and policy analysis of toxic chemical and pesticide issues for a national environmental public interest group. Dr. Greer also collaborates with legal staff to achieve improvements in regulatory and legislative issues, and performs technical analysis. Dr. Greer is on summer staff at Vermont Law School, for the intensive summer course "Scientific Fundamentals of Risk Assessment" offered to law students and practicing lawyers. In 1998, Dr. Greer was Adjunct Professor, University of Maryland, Law School, Baltimore, Maryland and Co-Instructor for course "Environmental Law and Science" for law students. Between 1989 -1990, Dr Greer was Technical Director of the Hazardous Waste Treatment Council in Washington, DC, where she directed technical work for a trade association, representing companies that treat hazardous waste. Her duties included data compilation and analysis, report writing, analysis of federal hazardous waste regulation, and lobbying. During 1987-1989, Dr. Greer was a Microbiologist in the U.S. Department of Agriculture, in Beltsville, Maryland. During this time, she worked on the biological degradation of pesticides. In 1987, Dr Greer was a consultant for the U.S. Environmental Protection Agency in Washington DC as Special Assistant to Dr. John Skinner, Director of EPA Office of Engineering Evaluation and Technology Demonstration, Office of Research and Development. She was responsible for critical review of EPA scientific research programs and assessments of the relevance of ORD science and engineering research. Dr. Greer received a Ph.D., in Environmental toxicology, in 1989 from University of Maryland, College Park Maryland, an M.S.P.H., in 1979, in Environmental Sciences and Engineering from University of North Carolina, Chapel Hill, North Carolina, and a B.S. in Biology, in 1976, from Tufts University(12/2003).

Phil Hopke: Dr. Philip K. Hopke is the Bayard D. Clarkson Distinguished Professor at Clarkson University and the Director of the Center for Air Resources Engineering and Science. In October 1997, he was appointed by the Administrator of the U.S. Environmental Protection Agency (EPA) as a member of the Clean Air Scientific

Advisory Committee (CASAC), which is administratively located at EPA under the Science Advisory Board (SAB). Dr. Hopke is presently Chair of the CASAC, and he also chairs both the CASAC Subcommittee on Particle Monitoring and the CASAC National Ambient Air Monitoring Strategy (NAAMS) Subcommittee. In addition, he serves as an SAB Board Member. Professor Hopke is the current President of the American Association for Aerosol Research, and is a member of the National Research Council's Congressionally-mandated Committee on Research Priorities for Airborne Particulate Matter and the Committee on Air Quality Management in the United States. He has previously served on five other NRC committees. Professor Hopke received his B.S. in Chemistry from Trinity College (Hartford) and his M.A. and Ph.D. degrees in chemistry from Princeton University. After a post-doctoral appointment at M.I.T., he spent four years as an assistant professor at the State University College at Fredonia, NY. Dr. Hopke then joined the University of Illinois at Urbana-Champaign, and subsequently came to Clarkson in 1989 as the Robert A. Plane Professor with a principal appointment in the Department of Chemistry. He has served as Dean of the Graduate School, Chair of the Department of Chemistry, and Head of the Division of Chemical and Physical Sciences before he moved his principal appointment to the Department of Chemical Engineering in 2000 (11/2003).

James Johnson: Dr. Johnson is a professor of Civil Engineering and Dean of the College of Engineering, Architecture and Computer Sciences at Howard University. Prior to this appointment, he was the chair of the Department of Civil Engineering and interim associate vice president for Research. Dr. Johnson received his B.S. from Howard University, M.S. from the University of Illinois and Ph.D. from the University of Delaware. Dr. Johnson's research interests include treatment and reuse of wastewater sludges and the treatment of hazardous substances, the use of nanotechnology tools in the environmental area, the evaluation of environmental policy issues and the development of environmental curricula. Dr. Johnson is a member of the National Research Council's Board on Environmental Studies and Toxicology, Civil Engineering Research Foundation (CERF) Board of Directors, SECME's Board of Director, University of California Office of the President Environmental, Safety and Health Panel, Board of Directors of the Engineering Deans Council of the American Society for Engineering Education and serves on several university and private sector advisory committees. Memberships in professional organizations include American Association of Environmental Engineering and Science Professors, American Water Works Association, fellow of the American Society of Civil Engineers, American Society for Engineering Education and Tau Beta Pi. Dr. Johnson is a registered professional engineer in the District of Columbia and a diplomate of the American Academy of Environmental Engineers (11/2003).

Meryl Karol: Dr. Meryl Karol is Associate Dean for Academic Affairs and Professor, Environmental and Occupational Health at the University of Pittsburgh's Graduate School of Public Health. Dr. Karol received a BS in Microbiology from Cornell University and a Ph.D. in Immunochemistry from Columbia University. Dr. Karol has specialized in the study of mechanisms of chemical allergy and asthma. Dr. Karol has been active in several scientific and professional societies. She was the first female President of the Society of Toxicology (1994-5), was a Director of the International Union of Toxicology (IUTOX) (1995-98), and currently is Secretary-General of IUTOX. She is a Fellow and member of the Board of Directors of the American Toxicology Society. Dr. Karol also serves as the Chair of the Subcommittee on Pharmaceutical Toxicology of the Advisory Committee for Pharmaceutical Science for the Food and Drug Administration's Center

for Drug Evaluation Research. She is the recipient of numerous awards including the Rachel Carson Award, Women in Science Award, the Award for Outstanding Contributions to Public Health, and the Frank R. Blood Award. Dr. Karol's studies on chemical allergens and pulmonary toxicants have been supported by the NIEHS, NIOSH, USDA, Bayer, USA and the International Isocyanate Institute (11/2003).

Roger Kasperson: Roger E. Kasperson is Executive Director of the Stockholm Environment Institute. He received his Ph.D. from the University of Chicago and has taught previously at Clark University, the University of Connecticut, and Michigan State University. His expertise is in risk analysis, global environmental change, and environmental policy. Dr. Kasperson is a Fellow of the American Association for Advancement of Science and the International Society for Risk Analysis. He has served on various committees of the U.S. National Research Council. He also has been honored by the Association of American Geographers for his hazards research. He chaired the International Geographical Union Commission on Critical Situations/Regions in Global Environmental Change. He currently serves on the Executive Committee of EPA's Science Advisory Board, is a trustee of the Institute for Global Environmental Strategies in Japan, and serves on the Scientific Advisory Committee of the Potsdam Institute for Climate Change. He is a member of the National Academy of Sciences. He has authored or co-edited some 18 books and monographs and more than 120 articles or chapters in scholarly journals in books (11/18/2003).

Catherine Kling: Dr. Catherine Kling is a Professor of Economics at Iowa State University and Head of the Resource and Environmental Policy Division of the Center for Agricultural and Rural Development at ISU. Prior to coming to Iowa State University in 1993, she was an Associate and Assistant Professor in the Department of Agricultural Economics at the University of California, Davis. Dr. Kling has served the profession and the public sector in a variety of capacities including her current membership on the Environmental Economics Advisory Committee of EPA's Science Advisory Board, current and past service as a member of the board of directors and awards committee chair for the American Agricultural Economics Association, vice president and member of the board of directors of the Association of Environmental and Resource Economists, associate editor for the American Journal of Agricultural Economics, and the Journal of Environmental Economics and Management, as well as numerous ad hoc committees for the AAEA, AERE, and other professional associations. Dr. Kling's research addresses methods for improving non-market valuation methods and she has applied these tools to wetlands valuation, water quality, and recreational angling. She has also studied a range of theoretical and empirical issues concerning economic incentives for pollution control and is currently working on these issues in relation to non-point source pollution from agriculture. Dr. Kling holds a BBA in Business and Economics from the University of Iowa and a Ph.D. in Economics from the University of Maryland. Dr. Kling has received research funding from EPA, USDA, The Iowa Department of Natural Resources, and the California Institute for Energy Efficiency. She is also a member of executive board of the Consortium for Agricultural Soils Mitigation of Greenhouse Gases funded through a grant from USDA(11/2003).

George Lambert: Dr. Lambert is an Associate Professor of Pediatrics and Director of the NIH/USEPA Center for Childhood Neurotoxicology and Exposure Assessment, and Director of the Pediatric Clinical Research Center at the UMDNJ-Robert Wood Johnson Medical School, UMDNJ & Rutgers University. He holds a MD degree from the University of Illinois and has had post graduate training in: Clinical Research in

Neonatology, has been a Pediatric Intern and Resident at the Johns Hopkins Hospital, Baltimore, Md, He was also a Pharmacology Fellow at Children's Hospital of Philadelphia, PA, and a research associate in molecular pharmacology at the NIH. Dr. Lambert is certified by the American Board of Pediatrics, 1979 & 1980; Neonatal/ Perinatal Medicine, 1980 and as an Instructor, Neonatal Resuscitation, 1989), UMDNJ-Robert Wood Johnson Medical School and an Adjunct Associate Professor of Pharmacy in the School Pharmacy of Rutgers, The State University of New Jersey. He is also a member of the Cancer Institute of New Jersey, and Director of the Center for Child and Reproductive Environmental Health, Director, NIH / USEPA Center for Childhood Neurotoxicology and Exposure Assessment, and the Director, Pediatric Clinical Research Center, UMDNJ- Robert Wood Johnson Medical School. Dr. Lambert has served as a consulting expert to a number of professional and governmental organizations including: the Neuropharmacology Division of FDA, the U.S. Congress, TSCA Interagency Testing Committee, Department of Energy, Oakridge National Laboratory, Division of Chemical Assessment, Office of Orphan Products Development, FDA; NICHD's National Neonatal Collaborative Project, and the National Academy of Sciences. He was a Member, Committee on Drugs, American Academy of Pediatrics, (National Committee), Chairman - Human Health Effects Committee of the Joint (U.S. and Canadian) Commission on the Great Lakes,and a consultant to the World Health Organization. He has served on a number of US EPA Science Advisory Board panels including the Dioxin Reassessment Panel. Dr Lambert's research has focused on the effects of environmental chemicals on human organ maturation, reproductive function, growth and development, and neurobehavioral function. Dr Lambert's Research and programs is currently or has been recently funded by the USEPA, NIH, CDC, NJ Department of Health, and the Governors Council on Autism (12/2003).

Jill Lipoti: Jill Lipoti has served as Assistant Director, Radiation Protection Programs, New Jersey Department of Environmental Protection since 1989. In July 2003, Dr. Lipoti assumed the additional responsibility for the Toxic Catastrophe Prevention Act and the Discharge Prevention, Containment, and Countermeasures programs that have major implications for domestic security. Dr. Lipoti provided leadership and direction to the Bureau of Radiological Health in redesigning the x-ray inspection program to emphasize radiation dose reduction techniques. In conjunction with members of the Bureau of Nuclear Engineering, she developed a matrix to assist in making recovery and return decisions after a radiological contamination event. The matrix is structured to give priority to restoration of essential services prior to considerations involving allowing people to return to their homes or workplaces. Dr. Lipoti attended Cook College, receiving her B.S. degree in Environmental Science in 1977. She returned to Rutgers University for graduate study after working for Research Cottrell, an air pollution control device manufacturer. She received her Ph.D. in 1985 based on research on identification of individuals susceptible to noise-induced hearing loss. Dr. Lipoti is the Commissioner's designee to the Commission on Radiation Protection (CORP), a 10-member body authorized to promulgate regulations for the control of unnecessary radiation exposure in New Jersey. Dr. Lipoti has been involved in the New Jersey Low-level Radioactive Waste Disposal Facility Siting Board since 1989, first providing staff support, then becoming the Commissioner's alternate designee, and finally serving as the Executive Director until the Board's elimination through legislation. Dr. Lipoti currently serves as New Jersey's Commissioner to the Atlantic Compact, assuring that generators are able to dispose of their radioactive waste in Barnwell, SC. Dr. Lipoti has provided testimony before Congress on the radon program and testimony before the Nuclear Regulatory Commission on the effectiveness of nuclear power plant oversight

and on the generally licensed device programs, including orphan sources of radiation. Elected as Chair of the Conference of Radiation Control Program Directors (CRCPD) in 1996, Dr. Lipoti received the Gerald S. Parker award in recognition of her leadership in the CRCPD. The Parker award is the highest honor that the organization can bestow. Dr. Lipoti was elected to the National Council on Radiation Protection and Measurement (NCRP) in 2001 and to the Board of Directors in 2002. Dr. Lipoti has been appointed to two terms of service (1997-1999; 2002-2005) on the Technical Electronic Products Radiation Safety Standards Committee (TEPRSSC). The committee provides advice to the Food and Drug Administration regarding proposed performance standards for electronic products that emit radiation. Dr. Lipoti was appointed to the Science Advisory Board, Radiation Advisory Committee (SAB/RAC) in 1998. She served as Chair of the RAC review of the Interagency Steering Committee on Radiation Standard (ISCORS) draft sewage sludge dose modeling report (12/2003).

Gene Matanoski: Dr. Matanoski is a Professor of Epidemiology at the Johns Hopkins University School of Hygiene and Public Health in Baltimore, MD. For a time after medical school she pursued a career in pediatrics and general preventive medicine. After earning a Doctor of Public Health Degree, she was appointed to the faculty of Johns Hopkins University and has been a professor since 1976. In addition to teaching and research, Dr. Matanoski has had appointments in a number of teaching and training programs in the U.S. and abroad and is a frequent advisor to legislative and policy-making groups. She is a member of several scientific advisory bodies both for governmental agencies and for industry. She is a past Chair of the EPA Science Advisory Board, as well as a past Chair of the SAB Radiation Advisory Committee. She now serves as a member of the EPA's SAB Research Strategies Advisory Committee. During her tenure on the EPA SAB, Dr. Matanoski was involved in the writing of several documents produced by the SAB to provide advice to EPA including the "Beyond the Horizon: Using Foresight to Protect the Environmental Future" document and the Integrated Risk Project report "Toward Integrated Environmental Decision-making," and was Chair of the latter Committee. She is the author or co-author of over 80 publications. Dr. Matanoski's work has focused on the epidemiology of cancer, including bladder, lung, skin and uterine cancers, and leukemia. Her research studies have examined the risks associated with occupational and environmental exposures to such agents as radiation, electromagnetic fields, and chemical substances as styrene, butadiene, arsenic and environmental tobacco smoke. Recent research has emphasized reproductive effects and congenital malformations from environmental exposures. Her early work involved infectious diseases and illnesses in infants and children. Dr. Matanoski received a BA degree in chemistry at Radcliffe College and a MD at the Johns Hopkins School of Medicine. She also earned a Doctor of Public Health Degree from the Johns Hopkins University School of Hygiene and Public Health (11/2003).

Michael McFarland: Dr. Michael J. McFarland received his bachelors' degree in Engineering and Applied Science from Yale University, his masters' degree in Chemical Engineering from Cornell University, his Ph.D. in Agricultural Engineering from Cornell University and completed his postdoctoral research program in the Dept. of Civil and Environmental Engineering at the University of Texas at Austin. Dr. McFarland is currently an associate professor in the Department of Civil and Environmental Engineering at Utah State University where his research interests are focused in the areas of air quality management, biosolids engineering, industrial waste management and pollution prevention. Dr. McFarland has served on numerous federal, state and local environmental engineering and public health advisory committees for the US Dept. of

Defense, US Environmental Protection Agency, US Dept. of Energy, National Science Foundation, Utah Dept. of Environmental Quality and Cache County, Utah. Dr. McFarland has authored or coauthored over fifty publications in the field of environmental engineering including the recent textbook "Biosolids Engineering" (McGraw-Hill, 2001)as well as numerous research journal articles, conference proceedings and professional engineering (PE) licensing workbooks. Dr. McFarland is a registered professional engineer in the State of Utah and currently holds Grade IV operator certifications for both wastewater and water treatment. Dr. McFarland is a Diplomate of the American Academy of Environmental Engineers (AAEE)as well as a member of several professional environmental science and engineering organizations including the Water Environment Federation (WEF), Society for Risk Analysis, National Biosolids Partnership and the Association of Environmental Engineering and Science Professors (AEESP). (11/2003)

Granger Morgan: M. Granger Morgan is Univeristy Professor and Head of the Department of Engineering and Public Policy at Carnegie Mellon University where he is also Lord Chair Professor in Engineering, and is a Professor in the Department of Electrical and Computer Engineering and in The H. John Heinz III School of Public Policy and Management. He holds a BA from Harvard College (1963) where he concentrated in Physics, an MS in Astronomy and Space Science from Cornell (1965) and a Ph.D. from the Department of Applied Physics and Information Sciences at the University of California at San Diego (1969). Morgan's research addresses problem in science, technology and public policy. Much of it has involved the development and demonstration of methods to characterize and treat uncertainty in quantitative policy analysis. He works on risk analysis, management and communication; on problems in the integrated assessment of global change; on energy systems, focused particularly on electric power; on problems in technolgy and domestic security; on improving health, safety, and environmental regulation; and on several other topics in technology and public policy (12/2003).

Rebecca Parkin: Rebecca T. Parkin is an Associate Research Professor in the Department of Environmental and Occupational Health with a joint appointment in the Department of Epidemiology and Biostatistics in the School of Public Health and Health Services at The George Washington University Medical Center. Also, she is the Scientific Director of the Center for Risk Science and Public Health at the University. Previously Dr. Parkin was director of Scientific, Professional and Section Affairs at the American Public Health Association; the assistant commissioner of the Division of Occupational and Environmental Health at the New Jersey Department of Health; and an environmental epidemiologist at the Centers for Disease Control. Her areas of expertise include environmental epidemiology, public health policy, vaccine risk/benefit communication, and environmental health risk assessment and communication. Recently her work has been supported by the U.S. Environmental Protection Agency; Cadmus the American Water Works Association Research Foundation; the U.S. Departments of Defense, Veterans Affairs, and Health and Human Services; Montgomery County (MD) Department of Health and Human Services; and the Association of Occupational and Environmental Clinics. She has been a member of the National Research Council's (NRC's) Water Science and Technology Board; and has served on committees of the NRC's Board of Environmental Science and Technology, the Institute of Medicine, U.S. Environmental Protection Agency, Dept. of Health and Human Services, and Agency for Toxic Substances and Disease Registry. Additionally, she has represented U.S. public health scientists through invitation to speak at

international forums and workshops hosted by the National Academy of Sciences, and professional societies and institutions. Throughout her career, she has served as a site visitor for the Council on Education for Public Health, and as a peer reviewer for several professional journals focused on environmental health. Dr. Parkin received her A.B. in sociology from Cornell University; M.P.H. in environmental health and Ph.D. in epidemiology from Yale University; and Certificate in Science, Technology, and Policy from Princeton University. She has been honored by Yale University as a Distinguished Alumna for her extensive public service (12/2003).

David Rejeski: David Rejeski is the Director of the Foresight and Governance Project at the Woodrow Wilson International Center for Scholars in Washington, DC. The Foresight and Governance Project works to advance the theory and practice of long-range planning in the public sector and collaborates with a variety of government agencies, corporations, and foundations. He is also an adjunct affiliated staff member at RAND. Most recently, he was a Visiting Fellow at Yale University's School of Forestry and Environmental Studies and an agency representative (from EPA) to the White House Council on Environmental Quality (CEQ). Before moving to CEQ, he worked at the White House Office of Science and Technology (OSTP) on a variety of technology and R&D issues. He has written extensively on science, technology, and policy issues, in areas ranging from genetics to electronic commerce and pervasive computing. Before moving to OSTP, he was head of the Future Studies Unit at the Environmental Protection Agency. He spent four years in Hamburg, Germany, working for the Department of Environmental Protection, Department of Public Health, and Department of Urban Planning and, in the late 1970's, founded and co-directed a non-profit involved in energy conservation and renewable energy technologies. He sits on the advisory boards of a number of organizations, including the Greening of Industry Network, the National Environmental Education and Training Foundation, the University of Michigan's Corporate Environmental Management Program, and the Journal of Industrial Ecology. He has graduate degrees in public administration and environmental design from Harvard and Yale (12/2003).

Kristin Shrader-Frechette: Dr. Kristin Shrader-Frechette is currently O'Neil Professor of Philosophy and Concurrent Professor of Biological Sciences at the University of Notre Dame. She studied physics at Xavier University, then received a B.A. (summa cum laude) in 1967 in mathematics from Edgecliff College of Xavier University, and her Ph.D. in 1972 from Notre Dame in philosophy and philosophy of science. She has done 3 post-docs -- in biology, welfare economics, and hydrogeology, and was Associate Editor of BioScience until 2002. She is Editor-in-Chief of the Oxford University Press monograph series on Environmental Ethics and Science Policy, she also serves on the editorial boards of 17 professional journals and on the advisory boards (among others) of "Integration, Environmental Assessment, and Environmental Indicators," EPA, 1992-present. She has authored over 300 scientific or ethical papers that have appeared in journals such as Science, BioScience, Quarterly Review of Biology, Ethics, and Journal of Philosophy. Most of her 14 authored books are on ethics or on scientific problems in quantitative risk assessment; she is past president of the Risk Assessment and Policy Association. Two of her more recent books are The Ethics of Scientific Research (Savage, MD: Rowman and Littlefield, 1994) and Environmental Justice (New York: Oxford University Press, 2003). Two forthcoming books are: Radiation Protection and Ethics, and a volume co-edited with Heidi Giebel, Biomedical Ethics and Public-Health Risks. Dr. Shrader-Frechette has been a member of many US National Academy of Sciences boards and panels since 1981(12/2003).

William Smith: Dr. William H. Smith is the Clifton R. Musser Professor Emeritus of Forest Biology at Yale University. Prof. Smith joined the Yale faculty in 1966 and retired in 2001. General research interests included all aspects of forest ecosystem health including ecotoxicology (effects of air pollutants), pathological and entomological stressors, ecological risk assessment and ecosystem health monitoring. Prof. Smith is the author of three books, 25 book chapters, 35 special documents and over 80 technical journal articles. Numerous academic administrative posts were held by Prof. Smith during his 35 year tenure at Yale, including Assistant Dean, Associate Dean for Academic Affairs and Acting Dean of the School of Forestry and Environmental Studies and Chair of the Environmental Studies Program in Yale College. From 1985 to 2001 Prof. Smith held an appointment to the State of Connecticut Siting Council. This Council regulates the design and Statewide site selection for (1) power stations, electric generating facilities, (2) electric and gas transmission infrastructure, (3) utility, commercial and State-owned telecommunications towers, and (4) hazardous waste storage, treatment and transport facilities and low-level nuclear waste disposal facilities. Prof. Smith presently resides in Moultonborough, New Hampshire and during 2002 served as a Senior Ecologist with the New Hampshire Department of Environmental Services to develop a new Sediment Policy for the State and to perform ecological risk assessments primarily on Superfund sites. In January 2003 Prof. Smith will join the adjunct faculty at Southern New Hampshire University and offer a graduate course in environmental issues. In addition, Prof. Smith currently serves as the President of the Lake Kanasatka Watershed Association and serves on the Board of Directors of the Lakes Region Conservation Trust (a regional land trust), the New Hampshire Lakes Association (a lakes advocacy organization) and the Jordan Institute (organization focused on environmental health issues). During his continuing affiliation with the United States Environmental Protection Agencies Science Advisory Board, Prof. Smith has served on the Ecological Processes and Effects Committee, the Research Strategies Advisory Committee, the Scientific and Technological Achievement Review Committee and presently serves as a member of the Executive Committee (12/2003).

Deborah Swackhamer: Dr. Swackhamer is Professor of Environmental Chemistry in the Division of Environmental and Occupational Health, School of Public Health, and also Co-Director of the Water Resources Center, at the University of Minnesota, Minneapolis. Dr. Swackhamer holds an M.S. in Water Chemistry (1982), University of Wisconsin, Madison, Wisconsin. and a Ph.D. in Oceanography and Limnology (1985), University of Wisconsin, Madison, Wisconsin. She joined the faculty of the University of Minnesota in 1987 following postdoctoral experience at Indiana University, Bloomington. Dr. Swackhamer has studied the processes affecting the behavior and fate of persistent organic compounds including PCBs, dioxins, and pesticides in the Great Lakes for the past 20 years, including sediment accumulation, source determinations, water column processes, and food web bioaccumulation. She continues to study the process of bioaccumulation in lower trophic levels, and is the Principal Investigator for the Great Lakes Fish Monitoring Program of the US EPA Great Lakes National Program Office. Currently, her research has expanded to include exposures and impacts of endocrine disruptors in aquatic systems. She also is developing and validating chemical indicators of ecological condition for coastal zones of the Great Lakes. Dr. Swackhamer has been active in numerous professional societies, including the Environmental Division of the American Chemical Society, the Society of Environmental Toxicology and Chemistry,

and the International Association of Great Lakes Research. She served as Chair of the Committee on Drinking Water Contaminants for the Water Science and Technology Board, National Research Council, National Academy of Sciences from 1998-2002; Co-Chair, Gordon Research Conference, Environmental Sciences: Water, June 23-28, 2002, New Hampton, NH.; and is currently a Member of the Science Advisory Board of the International Joint Commission of the US and Canada and Chair of the Emerging Issues Work Group. She also is a member and Chair, Great Lakes Environmental and Molecular Sciences Center Technical Advisory Board, Western Michigan University, Kalamazoo, MI and a member of the Science Advisory Board of the National Undersea Research Program for the North Atlantic and Great Lakes, NOAA (12/2003).

Thomas Theis: Professor Thomas L. Theis is Director of the Institute for Environmental Science and Policy at the University of Illinois - Chicago, a center that focuses on the development of new cross-disciplinary research initiatives in the environmental area. He was most recently at Clarkson University, where he was the Bayard D. Clarkson Professor and Director of the Center for Environmental Management. Professor Theis received his doctoral degree in environmental engineering, with a specialization in environmental chemistry, from the University of Notre Dame. His areas of expertise include the mathematical modeling and systems analysis of environmental processes, the environmental chemistry of trace organic and inorganic substances, interfacial reactions, subsurface contaminant transport, hazardous waste management, industrial pollution prevention, and industrial ecology. He has been principal or co-principal investigator on over fifty funded research projects totaling in excess of eight million dollars, and has authored or co-authored over one hundred papers in peer reviewed research journals, books, and reports. He is past editor of the Journal of Environmental Engineering, and has served on the editorial boards of The Journal of Contaminant Transport, and Issues in Environmental Science and Technology. From 1980-1985 he was the co-director of the Industrial Waste Elimination Research Center (a collaboration of Illinois Institute of Technology and University of Notre Dame), one of the first Centers of Excellence established by the USEPA. In 1989 he was an invited participant on the United Nations' Scientific Committee on Problems in the Environment (SCOPE) Workshop on Groundwater Contamination, and in 1998 he was invited to by the World Bank to assist in the development of the first environmental engineering program in Argentina. Among his current projects is the Environmental Manufacturing Management Program, one of the Integrative Graduate Education Research and Training (IGERT) grants of the National Science Foundation, which involves research on industrial pollution prevention problems emphasizing a systems approach.(11/2003)

Valerie Thomas: Dr. Valerie Thomas is a Research Scientist at the Princeton Environmental Institute at Princeton University. Dr. Thomas received a Ph.D. in theoretical physics from Cornell University, and a B. A. in physics from Swarthmore College. She was a post-doctoral Research Fellow at the Department of Engineering and Public Policy at Carnegie Mellon University. Her expertise is in quantitative approaches to environmental assessment, such as the physical potential to use different materials in products, or the application of statistical approaches to environmental data. She also has expertise in the lifecycle environmental impacts of products and materials, including metals and electronics. Current research is in the area of industrial ecology, including the use of electronics and information technology for lifecycle management of products, and the demand and dematerialization impacts of second-hand markets, combining theoretical economic analysis with physical material flow assessment. She teaches a graduate course called "The Use of Science in Environmental Policy", and is

co-author of the book "Industrial Ecology and Global Change," (Cambridge University Press, 1994). She is a Fellow of the American Physical Society, and a member of the International Society for Industrial Ecology. She will be vice-chair of the Gordon Conference on Industrial Ecology in 2004 and chair in 2006. She has had recent funding from the US EPA STAR grants program and the National Science Foundation (12/2003).

Rhodes Trussell: Dr. R. Rhodes Trussell is currently President and owner of Trussell Technologies, Inc., a private consulting firm. Prior to June, 2003, Dr. Trussel was Director of the Water Knowledge Center and Senior Vice President at MWH, Inc. He served in that role since September 2001. For several years prior to that he served as the firm's Director of Corporate Development and as a member of the firm's Board of Directors. The bulk of Dr. Trussell's technical career has been spent advising municipal utilities, both in the US and abroad, concerning problems of drinking water quality and treatment. Dr. Trussell is active in American Water Works Association and in the International Water Association where he serves on the program committee, the Strategic Council and the editorial board for North America. He also serves on the Water Science and Technology Board for the National Resource Council where he has served on several specific Committees, most recently those on potable reuse, the CCL, and indicators for pathogens in water. Dr. Trussell serves on the Magazine Board for Environmental Science and Technology, as a member of the Industrial Advisory Board for Engineering at UC Riverside, and as Chair of the Industrial Advisory Board for the Department of Civil Engineering at UCLA. He is also a Research Professor at the University of California at Irvine. Dr. Trussell received his B.S. (1966), M.S. (1967), and Ph.D. (1972) in Environmental Engineering from the University of California at Berkeley. He was elected to the National Academy of Engineering in 1995 and serves on the Peer Committee for Civil Engineering. For over 33 years, Dr. Trussell worked for MWH, Inc. and was solely funded by the corporation. A selected example of utilities Dr. Trussell has worked directly on projects for include: Water Bureau for Portland Oregon, the East Bay Municipal Utility District, the Sydney Water Board in Australia, United Utilities in the U.K., PWN in the Netherlands, the City of San Diego, the City of Long Beach, the Metropolitan Water district of Southern California, and the Los Angeles Department of Water and Power (12/2003).

Robert Twiss: Dr. Twiss is Professor in the Graduate School and Professor Emeritus of Environmental Planning, The University of California, Berkeley. He serves on the California Bay-Delta Authority's Independent Science Board and as Co-Chair of that agency's Ecosystem Restoration Program Science Board. He founded is President of Geostage Inc., which designs and implements web-based geographic information systems. Dr. Twiss received a BA in Conservation from San Jose State University, and the MS and Ph.D. from the School of Natural Resources, The University of Michigan. Dr. Twiss' recent work has focused on the incorporation of science-based information in environmental plans and decisions, including extensive work on planning and land regulation (Lake Tahoe, the Sierra Nevada, California's North Coast, and San Francisco Bay and estuary). Dr. Twiss has held a number of public offices: Chairman of the California State Mining and Geology Board, Chairman of the Governing Board, California/Tahoe Regional Planning Agency, and Special Representative of the United Nations to the Government of Yugoslavia on planning for Montenegro. Dr. Twiss has served as principal faculty investigator on numerous research projects, developing planning tools for state and federal agencies in resource management and in environmental and land-use planning (12/2003).

Lauren Zeise: Dr. Lauren Zeise is Chief of Reproductive and Cancer Hazard Assessment within the California Environmental Protection Agency's Office of Environmental Health Hazard Assessment. In that position since 1991, she has overseen a variety of the state's cancer, reproductive and ecological risk assessment activities. Current work addresses cancer and reproductive risk methodologies and characterizations, development of ecological risk guidance, establishment of baseline risks from gasoline use in California and guidance for evaluating risks to the fetus, children and adolescents from environmental exposures. Her group also conducts scientific evaluations mandated by California's Proposition 65. Her research has focused on cancer risk assessment methodology and applications. Dr. Zeise currently serves on the EPA Science Advisory Board (SAB), and has served previously as a member of the SAB Environmental Health Committee, Research Strategies Advisory Committee and Integrated Risk Project, and as consultant to the Clean Air Act Scientific Advisory Committee, Environmental Engineering Committee, FIFRA Science Advisory Panel, EPA Board of Scientific Counselors, and on various ad hoc advisory committees of the Agency. Other service includes membership on various committees of the National Institute of Medicine (IOM), National Research Council (NRC), Consumer Product Safety Commission, National Toxicology Program, Office of Technology Assessment. She currently serves on the IOM Board of Health Promotion and Disease Prevention and NRC Board on Environmental Sciences and Toxicology. She is a member, fellow and councilor of the Society of Risk Analysis and is on the editorial board for the Society's journal. The National Cancer Institute Smoking and Tobacco Smoke Monograph *Health Effects of Environmental Tobacco Smoke* was conceived and developed under her editorial direction. She is coauthor and coeditor of the 1999 International Agency for Research on Cancer monograph *Quantitative Estimation and Prediction of Cancer Risk*. She received in 1977 her M.S. and in 1984 her Ph.D. from Harvard University, where she also conducted postdoctoral research on risk assessment methodology (12/2003).

LIAISON MEMBERS:

Melonie Marty – Children's Health Protection Advisory Committee

Dr. Melanie Marty is Section Chief in the Office of Environmental Health Hazard Assessment of California EPA. She functions as the Lead for risk assessment in the Criteria Air Pollutant program, Air Toxics Hot Spots program and the Toxic Air Contaminant program in Cal/EPA. This responsibility also includes acting as Departmental Lead on children's environmental health issues. Her duties include evaluating public health impacts of air contaminants, and supervising the conduct of epidemiological investigations of health effects of criteria air pollutants. She is responsible for the scientific documents, which are developed relating to health impacts from air pollution, and serve as the basis for regulation in the state of California. She is also responsible for developing long-term strategies to address key risk assessment issues such as those related to children's environmental health; use of mechanistic data in risk assessment of both carcinogens and noncarcinogens; evaluation and refinement of use of uncertainty factors in noncancer risk assessment; evaluation of risk assessment of complex mixtures; incorporating new data into setting ambient air quality standards. She has presented a large number of seminars and invited lectures on a wide variety of topics, mostly related to health effects of airborne toxicants. She has also authored/ co-authored numerous articles and publications relating to environmental risk assessment, including evaluation of children's health risks and cancer risk assessment. Dr. Marty received her Ph.D. from the University of California, Davis in Pharmacology and Toxicology.

Henry Anderson (CHPAC Alternate): Dr. Anderson received his MD degree in 1972 from the University of Wisconsin Madison. He was certified in 1977 by the American Board of Preventive Medicine with a sub-specialty in occupational and environmental medicine and in 1983 became a fellow of the American College of Epidemiology. In 1980 he joined the **Wisconsin Department of Health** and Social Services as the State Environmental and Occupational Disease Epidemiologist. In 1991 he also assumed the duties of Chief Medical Officer. He holds adjunct Professorships at the University of Wisconsin - Madison, Department of Population Health and the UW Institute for Environmental Studies, Center for Human Studies. He has been a member of the USEPA Science Advisory Board since 1996 as a member and then chair of the Integrated Human Exposures Committee. He is the current chair of the Environmental Health Committee, serves on the Executive Committee and is the chair of the EC Policy and Procedures Subcommittee. He has published on a broad spectrum of environmental, occupational and public health topics. His expertise includes public health, preventive, environmental and occupational medicine, respiratory diseases, epidemiology, human health risk assessment and risk communication. Active research interests include: environmental health indicators and disease surveillance, childhood asthma, lead poisoning, reproductive and endocrine health hazards of sport fish consumption, arsenic in drinking water, chemical and nuclear terrorism, occupational and environmental respiratory disease, occupational fatalities and occupational injuries to youth.

He was a founding member of the Agency for Toxic Substances and Disease Registry (ATSDR) Board of Scientific Councilors (1988-1992). He served on National Academy of Sciences/Institute of Medicine (NAS/IOM) committees that developed the reports

“Injury in America” and" Nursing, Health & Environment." He was a member of the Armed Forces Epidemiology Board and is a past president of the Council of State and Territorial Epidemiologists. He serves on the Presidential Advisory Board on Radiation Worker Compensation, the Hanford Human Health Effects Subcommittee, and the Rocky Flats Advisory Committee for the Beryllium Program. He serves on the Centers for Disease Control and Prevention (CDC), National Center for Environmental Health, Director’s Advisory Committee. He is a fellow of the Collegium Ramazzini and the American Association for the Advancement of Science. He is associate editor of the American Journal of Industrial Medicine and serves on the editorial board of Cancer Prevention International.

Stephen Roberts – FIFRA Scientific Advisory Panel

James H. Johnson – EPA Office of Research and Development Board of Scientific Counselors (See Bio in Members above)